



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Patient Chart Application

INSTALLATION GUIDE AND RELEASE NOTES

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Preface

This document is designed to provide a user with the information needed to install, understand, and use the IHS Patient Chart Program. Included will be:

1. A brief description of the Client Server Process
2. Hardware requirements
3. An overview of the programs/files included with the program
4. Instructions for installing the Patient Chart application on the client
5. Instructions for installing and setting up Server software

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1.0 INTRODUCTION

The IHS Patient Chart program is a GUI (Graphical User Interface) application that allows a provider to review and in some cases edit or add patient data. Currently the application contains the following:

Page	Functions
Face Sheet	Display, Print
Problems	Display, Add, Edit, Delete, Print, Notes
Meds	Display, Add Rx, Refill Rx, Cancel Rx, Reinstate Rx
Labs	Display, Add New Orders, Display and Print Trend Data
Purpose of Visit	Display, Print
Measurements	Display, Add, Edit, Display and Print Trends
Specials	
Allergy Tracking	Display, Print
Diabetes Patient Care Management	Display, Print
Referred Care Information System	Display, Print, New, Modify, Delete
Troubleshoot	Display, Print
Health Summary	Display, Print
X-Ray	Display, Print
Women's Health (If applicable)	Display, Print
Appointments	Display, Print
Immunizations	Display
Education Protocols	Display, Print
Telnet Capability	

The Patient Chart application uses Client/Server Technology (CST) to obtain patient data from the RPMS server. In CST, the user presentation is removed from the server and put on a client workstation. Some of the business rules and server processes are also moved to the client. The server handles requests through an interface, processes requests, and returns data to the client. Communication between the client and server is handled using TCP/IP. Both the client and the server must have TCP/IP-aware software installed.

CST contains three functional components: (1) Client application software, (2) Client interface software, (3) RPMS server software.

1. **Client Application Software:** This is an executable program. This application sends or receives data from the server using the interface component described below and provides the user's interface to the data it receives.
2. **Client Interface Software:** This software resides on the client in the form of an ActiveX Control (OCX) or an ActiveX Automation Server (DLL). It establishes the unique TCP/IP connection with the server and handles the transport of data.
3. **RPMS Server Software:** (BGU and BPC name spaced routines). This server software is the MUMPS (M) code on the server that receives the messages from the interface, converts the messages into code that RPMS can understand, executes the RPMS software, and sends back the requested data to the interface. A *listener* waits for a connection request from the interface. If a connection is successful, the listener spawns a process partition handler that manages the session messaging. The handler validates the security and remains active until the session is terminated or times out from inactivity.

Note: The RPMS Server software must be installed on the server before the client application can be used.

2.0 SYSTEM REQUIREMENTS

2.1 CLIENT REQUIREMENTS

Hardware (Minimum)

- * IBM compatible computer
- * Pentium III Intel-based processor 200mHz or higher with 32mb of RAM
- * Windows 9X, NT, or 2000 operating system.
- * 15" VGA or SVGA monitor
- * 800-megabyte Hard Drive
- * Ethernet Card (16-bit or better)
- * Printer compatible with hardware configuration (optional)
- * Mouse
- * 101-key Keyboard

Hardware (Preferred)

- * IBM compatible computer
- * Pentium III or greater with 128 mb or more of RAM
- * NT or Window 2000 operating system.
- * 17" VGA or SVGA monitor
- * 4.0 Gigabyte or larger Hard Drive
- * 10/100 Ethernet Card (PCI or 16-bit)
- * Printer compatible with hardware configuration (optional)
- * Mouse
- * 101-key Keyboard

A wide variety of IBM compatible computers have been tested and the speed of the processor is the primary concern. The client software has also been tested on a number of laptops.

Software

- * Microsoft Windows NT or 2000 operating system (NT with SP6 or 2000 with SP2)
- * TCP Aware software (included in Windows 9x, NT, and 2000)

- * Windows Internet Explorer 5.0 or above

Note: Setup may fail if you have an earlier version.

- ☐ Internet IP address and domain name

2.2 SERVER REQUIREMENTS

RISC 6000 Standard IHS Configuration

- * Properly installed TCPIP
- * FIFO 72 or higher for AIX 4.33 or higher
- * FIFO 69 or higher for AIX 4.2
- * MSM 4.4.0 or higher
- * Kernel 8.0 or higher
- * FileMan 21 or higher
- * BGU RPMS software 1.2 or higher

Note: A MUSERVER process must be defined for each TCP connection on the RISC platform and requires shutting down MSM to change the setting. It is projected that the Patient Chart application will require up to 20% additional RPMS Server resources when the application is fully functional.

Windows NT Server 4.0 with service patch 6A or higher

- * MSM For Windows NT 4.4.1 or higher
- * FIFO 10 for NT
- * Kernel 8.0 or higher
- * FileMan 21 or higher
- * BGU RPMS software 1.2 or higher

Windows 2000 with service patch 2 or higher

- * MSM For Windows NT 4.41 or higher
- * FIFO 10 for NT
- * Kernel 8.0 or higher
- * FileMan 21 or higher
- * BGU RPMS software 1.2 or higher

2.3 CONTENT OF DISTRIBUTION

The bpc1200.tar.gz contains the following directories and files within those directories:

- CLIENT/
- SUPPORT/ sub-directory of CLIENT/ directory
- DOCUMENTS/
- HELP/
- SERVER/

The files listed in each directory are listed below:

CLIENT

SUPPORT (sub-directory)

bpc1200.cab

setup.exe

setup.lst

SUPPORT

asycfilt.dll

bgulib.dll

bgumdao.dll

bgutn.ocx

bpc1200.bat

bpc1200.exe

bpc1200.hlp

bpclib.dll

bpcmdao.dll

bpcpc.ddf

comcat.dll

comct232.ocx

comct332.ocx

comctl32.ocx

comdlg32.ocx

graph32.ocx

gsw32.exe

gswag32.dll

gswdll32.dll

mfc40.dll
mscomct2.ocx
msmask32.ocx
msrdo32.dll
msstdfmt.dll
msvbvm60.dll
msvert40.dll
oleaut32.dll
olepro32.dll
setup.exe
setup.lst
setup1.exe
spin32.ocx
st6unst.exe
stdole2.tlb
tabctl32.ocx
vb6stkit.dll
xl5en32.olb

DOCUMENTS

bpc1200i.pdf Installation Guide

bpc1200t.pdf Technical Manual

bpc1200u.pdf User Manual

HELP

bpc1200.cnt

bpc1200.gid

bpc1200.hlp

rhgbtn32.dll

SERVER

bpc1200.k KIDS file

3.0 INSTALLING CLIENT SOFTWARE

3.1 PRIMARY FILES

File	Description
bpc1200.exe	This is the Patient Chart Program executable.
CLIB.DLL	In process OLE Automation Server DLL containing properties and methods used by the above program.
BGULib.DLL	This DLL contains functions used by the CLIB DLL.
MDAO.DLL	This DLL contains the basic communication module used between the client and server database (MUMPS Data Access Object).
BGUMDAO.DLL	This DLL is used by the MDAO.DLL.
BGUTN.OCX	This OCX is used for Telnetting to a server.

3.2 INSTALLING THE PROGRAM FOR THE FIRST TIME

Note: Setup may fail if the client machine does not have Microsoft Internet Explorer 5.0 or above installed.

Using FTP, transfer the bpc1200.tar file to your target machine. If you need assistance contact your area office IRM department. Within this file will be the Client, Server, Documentation, and Help subfolders. The Client subfolder will contain the client software (PC Windows Software). The Server subfolder contains the M globals and routines. The Documentation subfolder contains the User Manual and Installation Guide. The Help subfolder contains the files required for the client-side online help.

To begin the installation process, locate **setup.exe** in the Client subfolder and double-click on it. The Patient Chart Application Setup dialog box will be displayed (Figure 1). As indicated in the message box, it is important to close any programs that you are currently running. If you need to exit the installation program to close other applications, click the Exit Setup button. Click the OK button to continue if no other applications are in use.

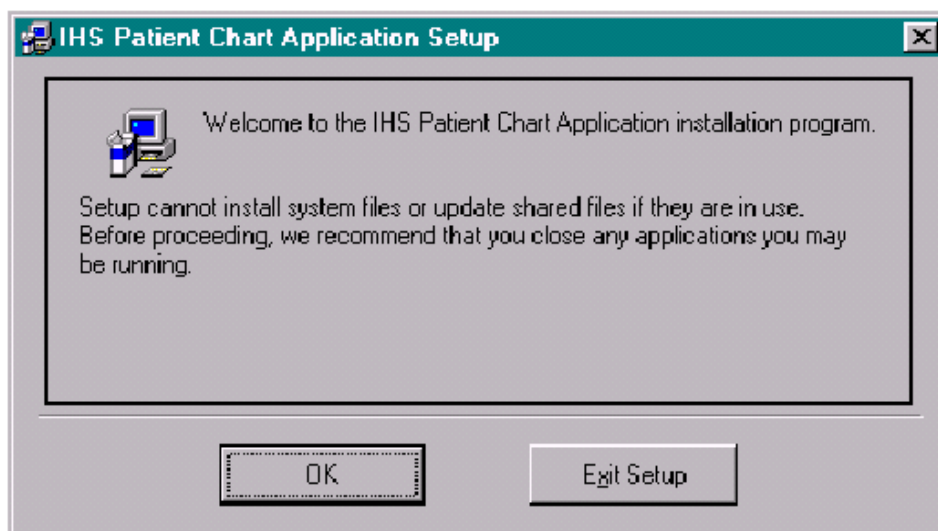


Figure 1: Patient Chart Installation Dialog Box

A dialog box will appear while your computer copies the necessary files (Figure 2).

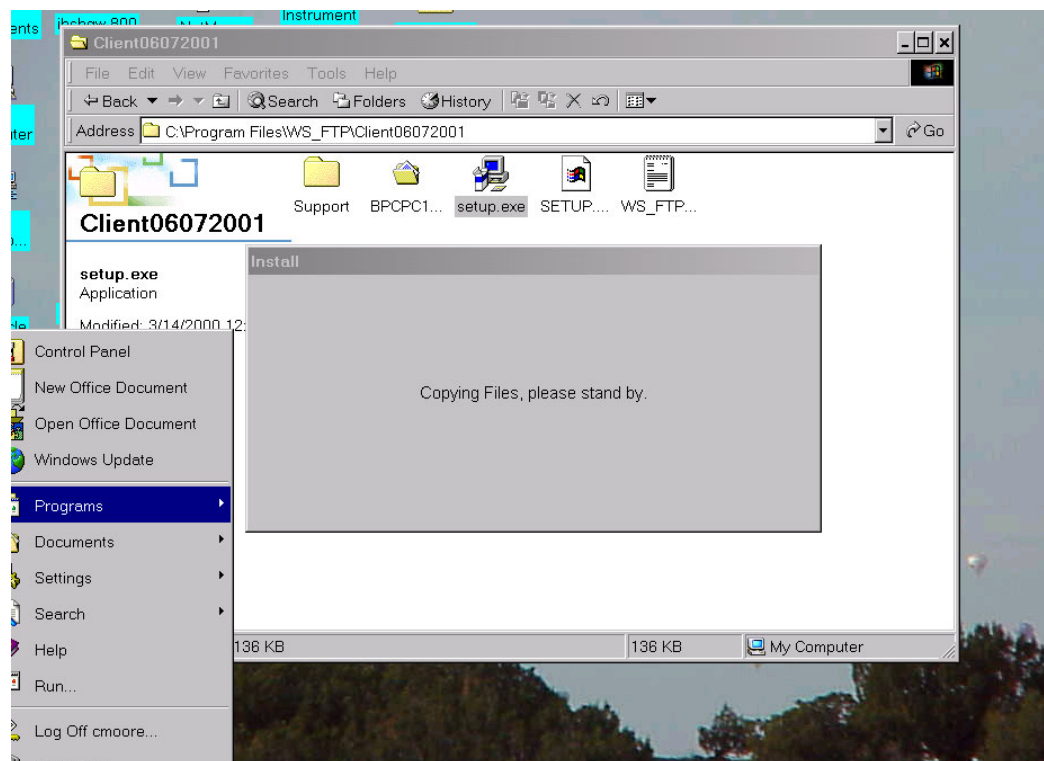


Figure 2: Copying Files Dialog Box

The next screen that appears will allow you to specify the directory into which you will be installing the Patient Chart files (Figure 3). The recommended directory is already included in the Directory box (C:\Program Files\IHS Patient Chart Applications (106)). If you need to change the directory, click on the Change Directory button and type in the preferred directory. To exit the installation program for any reason, you may click on the Exit Setup button. To accept the default directory and continue the installation process, click the computer icon, as indicated in the dialog box.

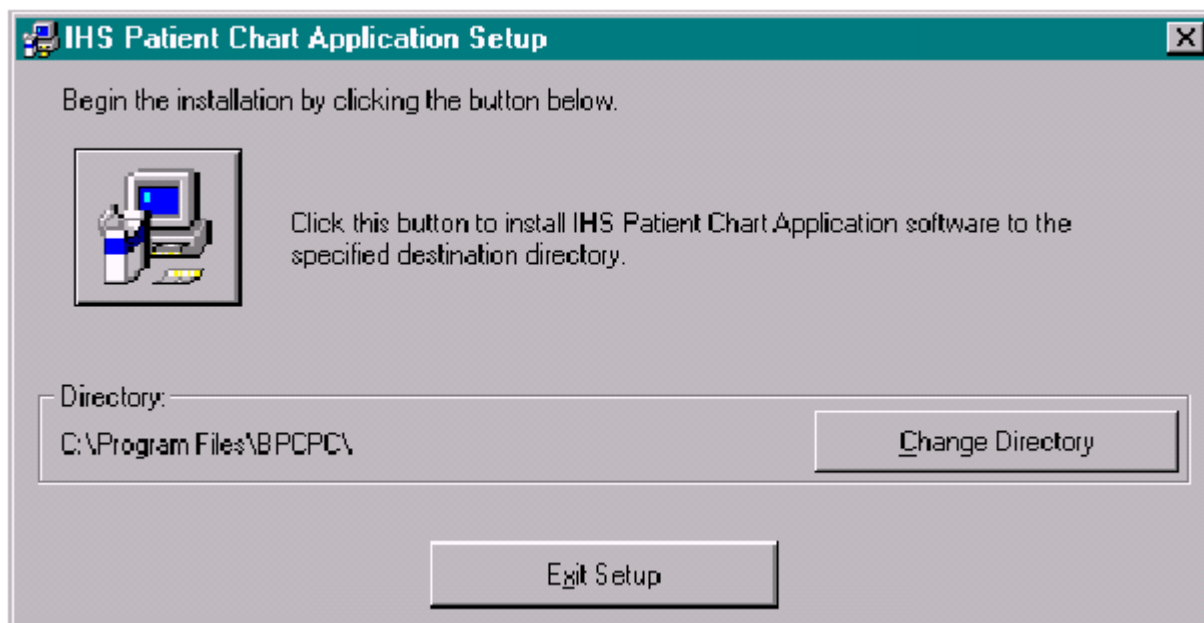


Figure 3: Patient Chart Application Setup Dialog Box

A copying files progress box will be displayed.

If messages are displayed prompting for user action, during this installation process, accept the defaults and follow the instructions. For example, if the install contains older DLLs than you have on your machine, the install program will ask "Do you want to replace the newer DLLs with the old ones?" with "No" as the default.

A dialog box will appear, asking you to select a program group (Figure 4). The IHS Patient Chart 1.2 Application option should be selected. If it is, click the Continue button. If it is not, select it by clicking on it once and click the Continue button.

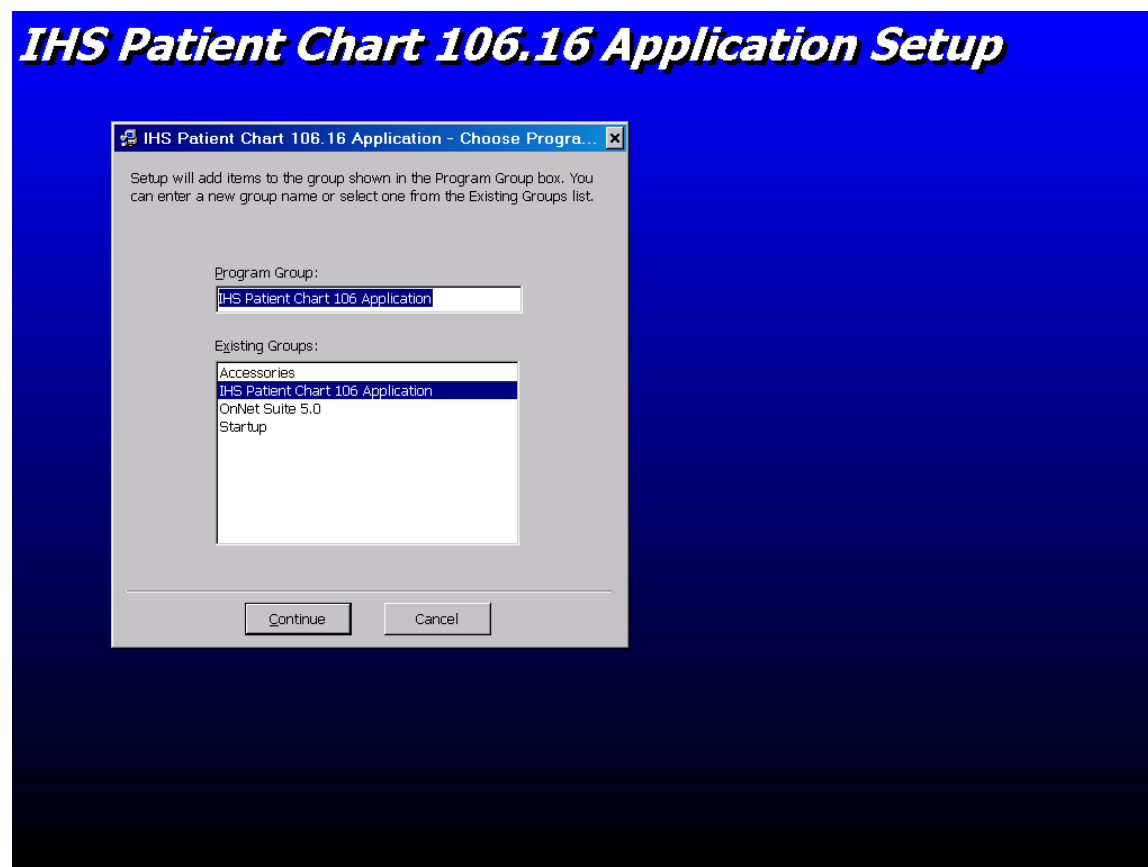


Figure 4: Program Group Selection Dialog Box

When the installation is complete, the setup complete dialog box appears (Figure 5). Click the OK button to close the box.



Figure 5: Patient Chart Setup Complete Dialog Box

If you would like to create a shortcut desktop icon for using this program, open Windows Explorer from the Start menu. Open the Program Files folder and then open the Patient Chart folder. Highlight the Patient Chart icon (bpc1200.exe). With the icon highlighted, pull down the File menu and choose Create Shortcut. You will see an icon added to the Patient Chart folder. Drag that icon onto your desktop. To rename it, highlight the icon and press the right mouse button. Select rename from the menu and type in the new name; for example, Patient Chart as in Figure 6.



Figure 6: Patient Chart Icon

3.3 INSTALLING AN UPDATED VERSION OF PATIENT CHART

If you are already running a version of Patient Chart and intend to install a new version, you must first delete the old version from the client. Begin by double-clicking on the My Computer icon and then open the Control Panel folder. From the Control Panel dialog box, double-click the Add/Remove Programs icon and select the Add/ Remove Programs tab (Figure 7).



Figure 7: Program Deletions Process

Select the Patient Chart Application and click on the Change/Remove button to delete the program (Figure 8).

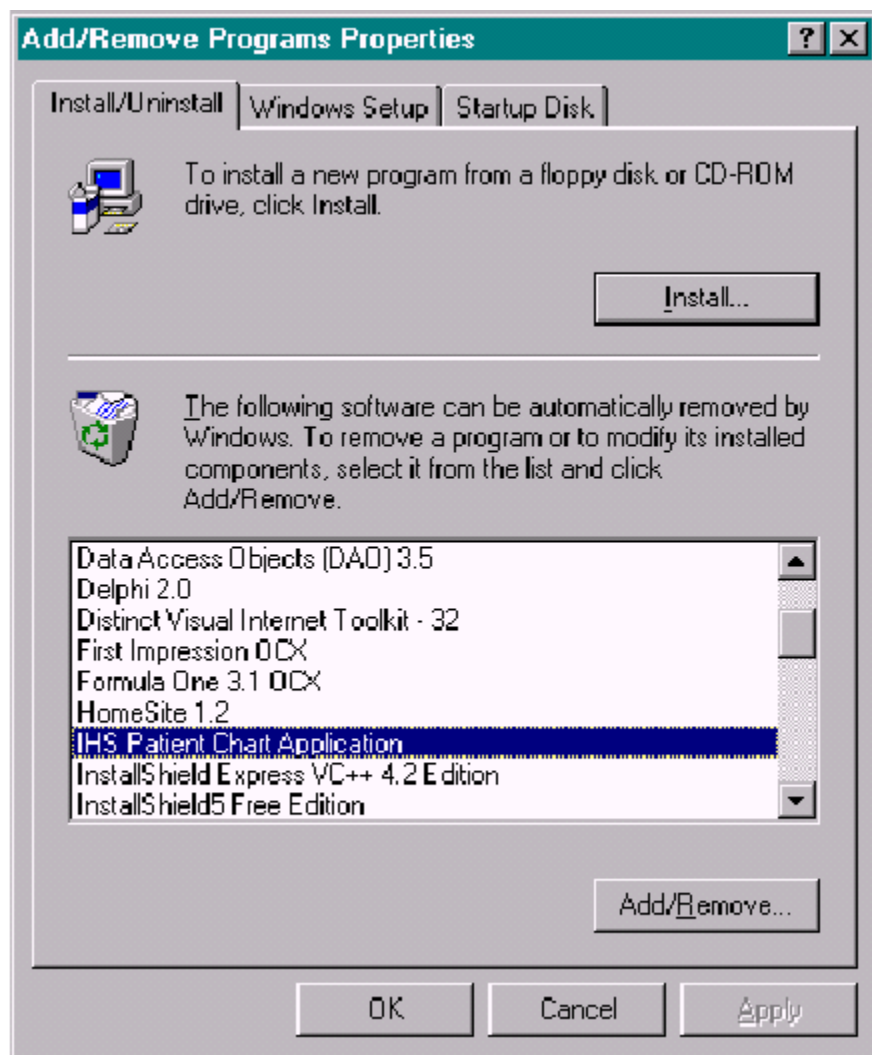


Figure 8: Add/ Remove Program Dialog Box

After clicking the Add/Remove button, an Application Removal warning box will appear (Figure 9). Click the Yes button to delete the old version of Patient Chart.

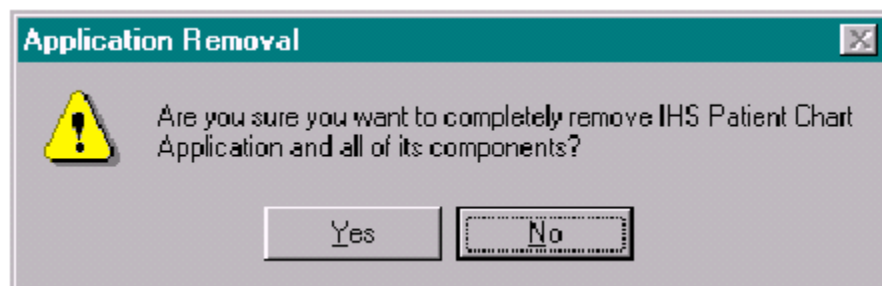


Figure 9: Application Removal Confirmation Dialog Box

During the removal process you may see a Shared Component Dialog box that indicates the file being removed is shared (Figure 10). Click the Remove All button.

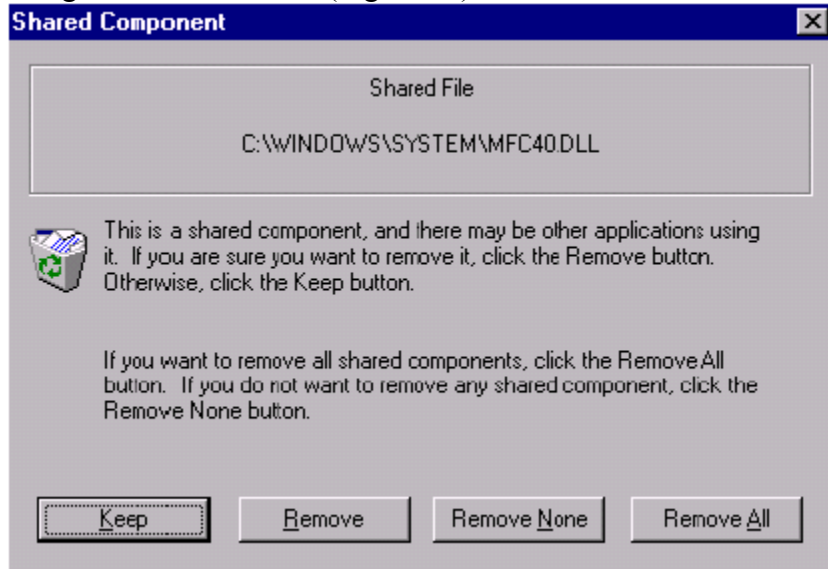


Figure 10: Shared Component Dialog Box

When all of the appropriate program files have been deleted, a confirmation message appears (Figure 11). Click the OK button to close the box.



Figure 11: Program Deletion Confirmation

Now that the older version of Patient Chart has been removed, you will need to install the new version exactly as described above for installing the program for the first time.

4.0 INSTALLING SERVER SOFTWARE

It is recommended that the terminal output during the installation be captured using an aux-port printer attached to the terminal at which you are performing the software installation. This will insure a printed audit trail if any problems should arise.

4.1 MODIFY MUSERVERS (RISC AIX PLATFORM ONLY)

Note: If you are installing the Patient Chart application on a **Windows NT** or **2000** platform, skip this step.

For the server software to run correctly, modification to the MSM SYSGEN is required to increase the muserver processes. A Muserver process is required for each anticipated client connection. Large systems may need 40 or more muserver processes, while medium may have 20-30 and small sites will have 10-20. Four of the muserver processes are used for Host File Services (HFS). Each muserver process will show when you display the processes in Unix with `ps -ef` command. After the modifications are made, MSM will need to be shut down and rebooted for the changes to take place. This sysgen change process can be done during your normal maintenance schedule but must be done **prior to the server installation**. You should also check to see if you have modified the partition size per the recommendations from DSM. (Current recommendation is a partition size of 100k.)

Modification of SYSGEN is done by logging into the MGR UCI and typing:

D ^SYSGEN<>

MSM - System Generation Utility

Select SYSGEN Option:

- 1 - Display Configuration Parameters
- 2 - Create New Configuration
- 3 - Edit Configuration Parameters
- 4 - Edit Configuration Name/Comment
- 5 - Delete Configuration
- 6 - Set Default Startup Configuration
- 7 - UCI Management
- 9 - System Configuration Parameters**
- 10 - Database Definition
- 12 - Device Translation Tables
- 13 - Mnemonic Namespaces
- 14 - Journaling Management

Select Option: **9** - System Configuration Parameters

Available Options:

- 1 - Buffer Pool Size
- 2 - Stack and Stap Size
- 3 - Dynamic Caching Options
- 5 - Maximum Number of Open Host Spool Files
- 6 - Number of Muserver Processes**

Select Option: **6** - Number of Muserver Processes

Enter Number of Muserver Processes to Start <8>: ?

Enter the number of muserver processes to be created during system startup.

Each muserver process handles all host operating system I/O (Host File Server I/O, Tape I/O, Host Spooling I/O, TCP/IP Socket I/O, and the \$\$JOB and \$\$JOBWAIT subroutines of the %HOSTCMD utility) for a single job. Therefore, the number of active muserver processes determines the maximum number of jobs that can be concurrently accessing the host operating system through any of these mechanisms.

Press <RETURN> to continue

4.2 INSTALL BGU RPMS SERVER SOFTWARE

The installation is a standard KIDS install process like other RPMS applications. Routines will need to be restored into the correct UCI and then the Init is run to set up the data dictionaries and populate the files with data. The files are name spaced with the BGU prefix. Logon to the RPMS production UCI where kernel and FileMan are running and go to programmer mode.

Log into the production UCI and get to programmer mode.

```

CORE   IHS Core ...
DEV    Device Management ...
FM     VA FileMan ...
MAN    Manage Mailman ...
MM     Menu Management ...
PROG   Programmer Options ...
SM     Operations Management ...
SPL    Spool Management ...
SPY    System Security ...
TM     Taskman Management ...
UM     User Management ...
PERA   ADD/EDIT Persons ...

```

Select IHS Kernel Option: PR **Programmer Options**

```

KIDS   Kernel Installation & Distribution System ...
PG     Programmer mode
       Delete Unreferenced Options
       Error Processing ...
       Global Block Count
       List Global
       Routine Tools ...

```

Select Programmer Options Option: **KIDS Kernel Installation & Distribution System**

```

       Edits and Distribution ...
       Utilities ...

```

```

      Installation ...

Select Kernel Installation & Distribution System Option: Installation

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution

Select Installation Option: Load a Distribution
Enter a Host File: C:\inetpub\ftproot\pub\bpc1200.k

KIDS Distribution saved on Jun 27, 2001@14:38:48
Comment: Patient Chart Beta 1 Release Server Software 6/27/01 fje

This Distribution contains Transport Globals for the following Package(s):
      BPC 1.2
      BGU 1.2

Want to Continue with Load? YES//
Loading Distribution...

Want to RUN the Environment Check Routine? YES//
      BPC 1.2

Want to continue with Install? NO// YES
Will first run the Environment Check Routine, BPC1200E

      BGU 1.2

Want to continue with Install? NO// YES
Will first run the Environment Check Routine, BGUENV

      Environment Check is Ok ---
Use INSTALL NAME: BPC 1.2 to install this Distribution.

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution

Select Installation Option: Install Package(s)
Select INSTALL NAME:  ??
Select INSTALL NAME: BPC 1.2          Loaded from Distribution          Loaded fr

```

```
om Distribution 6/28/01@13:46:54
=> Patient Chart Beta 1 Release Server Software 6/27/01 fje ;Created on

This Distribution was loaded on Jun 28, 2001@13:46:54 with header of
Patient Chart Beta 1 Release Server Software 6/27/01 fje ;Created on Jun 27,
20
01@14:38:48
It consisted of the following Install(s):
BPC 1.2
BGU 1.2

    BPC 1.2

Want to continue with Install? NO// YES
Will first run the Environment Check Routine, BPC1200E

Checking for XB Patch 8...

                Environment Check is Ok ---

Install Questions for BPC 1.2

Incoming Mail Groups:

Enter the Coordinator for Mail Group 'BPC LAB ORDER COMMENTS':

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//

    BGU 1.2

Want to continue with Install? NO// YES
Will first run the Environment Check Routine, BGUENV

                Environment Check is Ok ---

Install Questions for BGU 1.2

Incoming Files:

    8994      REMOTE PROCEDURE
Note:  You already have the 'REMOTE PROCEDURE' File.

    90061     BGU TRACE
Note:  You already have the 'BGU TRACE' File.

    90062     BGU SITE PARAMETERS
Note:  You already have the 'BGU SITE PARAMETERS' File.

    90062.1   BGU SIGN-ON STATISTICS
Note:  You already have the 'BGU SIGN-ON STATISTICS' File.
```

```
90063      BGU SERVER  (including data)
Note:  You already have the 'BGU SERVER' File.

90064      BGU TABLE
Note:  You already have the 'BGU TABLE' File.

90064.1    BGU EXECUTE CODE  (including data)
Note:  You already have the 'BGU EXECUTE CODE' File.

90064.2    BGU GENLIST TEMPLATE  (including data)
Note:  You already have the 'BGU GENLIST TEMPLATE' File.
I will OVERWRITE your data with mine.

90065      BGU MUMPS CODE  (including data)
Note:  You already have the 'BGU MUMPS CODE' File.
I will OVERWRITE your data with mine.

90066      BGU PRESET REMOTE PROCEDURE CALL
Note:  You already have the 'BGU PRESET REMOTE PROCEDURE CALL' File.

90069      BGU USER GUI PROFILE
Note:  You already have the 'BGU USER GUI PROFILE' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//

Install Started for BPC 1.2 :
      Jun 28, 2001@13:47:44

Installing Routines:
      Jun 28, 2001@13:47:49

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing PRINT TEMPLATE

Installing SORT TEMPLATE

Installing MAIL GROUP
```

```
Installing REMOTE PROCEDURE

Installing OPTION
    Jun 28, 2001@13:47:50

Updating Routine file...

Updating KIDS files...

BPC 1.2 Installed.
    Jun 28, 2001@13:47:50

Install Started for BGU 1.2 :
    Jun 28, 2001@13:47:50

Installing Routines:
    Jun 28, 2001@13:47:54

Installing Data Dictionaries:
    Jun 28, 2001@13:47:54

Installing Data:
    Jun 28, 2001@13:47:54

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing REMOTE PROCEDURE

Installing OPTION
    Jun 28, 2001@13:47:55

Running Post-Install Routine: ^BGUPOSTStart TCP Listener...
TCP Listener appears to be running already.

Updating Routine file...

Updating KIDS files...

BGU 1.2 Installed.
    Jun 28, 2001@13:47:55
```

4.3 STARTING THE LISTENER FROM THE MAIN MENU

(You will only need this section if BGUTCPL has terminated because of an error or other unscheduled event)

```
D ^XUP

Setting up programmer environment

Terminal Type set to: C-VT100

Select OPTION NAME: BGUMENU    IHS RPC Main Menu

    SM Start Listener
    STP Stop Listener
    SP RPC Broker Site Parameter Enter/Edit
    STT Start Trace
    SPT Stop Trace
    CLN Clean Out Old Trace Sessions
    TRAC Display Trace Session Data

Select IHS RPC Main Menu Option: SM    Start ListenerStart TCP Listener...
TCP Listener started successfully.
```

4.4 STOPPING THE LISTENER FROM THE MAIN MENU

```
D ^XUP

Setting up programmer environment

Terminal Type set to: C-VT100

Select OPTION NAME: BGUMENU    IHS RPC Main Menu
    SM Start Listener
    STP Stop Listener
    SP RPC Broker Site Parameter Enter/Edit
    STT Start Trace
    SPT Stop Trace
    CLN Clean Out Old Trace Sessions
    TRAC Display Trace Session Data

Select IHS RPC Main Menu Option: STP    Stop ListenerStop TCP Listener...
TCP Listener has been shutdown.
```


4.5 SYSTEM STATUS CHECK FOR LISTENER

To check system status from programmer mode for an active listener, you should look for a process running with a name of **BGUTCPL**. If you also find a process running with a program name of **BGUTCPH** then a client is currently connected to the server. An example of running system status is listed below: (You can also type SS at the programmer prompt to run a system status on some M platforms like MSM).

>D ^%SS<>

MSM - System Job Status
07-AUG-96 1:34 PM

Max Partitions: 65		Current in Use: 15				
JOB NUM	UCI/VOL NAME	ROUTINE NAME	P-SIZE CURR/MAX	STATUS	#-COMMANDS TOTAL/INCR	DEVICES OWNED
-----	-----	-----	-----	-----	-----	-----
1		* * *	M S M * * *			
3+	MGR, RES	DDPSRV	1.2/100	DDP	319/54	
4+	MGR, RES	DDPSRV	0.8/100	DDP	785/175	
10	MGR, AAA	%ZTM	2.4/100	Hang	420893/420893	
11	MGR, RES	%ZTM	4.3/100	Hang	142001/142001	
12	MGR, DEV	%ZTM	6.8/100	Hang	157992/157992	
13+	RES, RES	%ZTMS	1 4.0/100	Hang	351371/351371	
14+	APD, DEV	%ZTMS	1 12.9/100	Hang	1566589/1566589	
52	APD, AAA	MSMSHELL	1.7/100	TermI-130	454667/71	130pc
53	APD, AAA	%GSEL	2.7/100	TermI-128	2954/226	128pc
54	MGR, RES	%SS	1.8/100	Running	18037039/0	132pc
56	APD, AAA	%EDF1	4.0/100	TermI-129	170373/10	129pc
58	APD, AAA	BGUTCPH	8.7/100	Muserver	10127/10127	<-Handler
59	APD, AAA	%EDF	4.8/100	TermI-131	32915/259	131pc
62	APD, AAA	BGUTCPL	2.3/100	Muserver	29/29	<-Listener

Enter <RETURN> to continue, '^' to quit

p - Principal Device

c - Current Device

Total Buffers In System: 29352, Modified#=1

Disk Cache Efficiency: 99.6%

5.0 SECURITY KEYS

These are the Security Key assignments for Patient Chart. Each user must have the security key assigned for each function that the user needs enabled (see descriptive name for key function).

For example, to have the Medication tab enabled, the user must be assigned the BPCTRX key. Within the Medication tab, other security keys control the Medication tab functions. To change the date range (within the Medication tab) the user must also have the BPCRXPMD key assigned. To refresh the view, the BPCRXPMPR key must be assigned. To print, the user must have the BPCRXPMP key. To view the Pharmacy Medication Profile, the user must have the BPCRXPMP key. Within the Pharmacy Med Profile, the print function requires the BPCRXPMP key, the date change function requires the BPCRXPMPD key, and the refresh function requires the BPCRXPMPR key.

Note that all TAB assignments begin with BPCT. Each module is then controlled by BPCxx where xx is the module abbreviation, such as RX for Meds or HS for Health Summary. All primary menu options begin with BPCMN.

The Security Keys are assigned based on the role of the user, just as in the traditional RPMS applications. Depending on the access needs of your site's users, your security key assignments may be very similar or very dissimilar between staff levels. The chart below is a guide for assigning security keys for the Patient Chart program. The chart below has been left blank so that you can keep a record of your site's access levels and the associated security keys for future reference. If you need assistance in determining what keys to assign to your site staff, please contact the ITSC Support Center at (888) 830-7280 or rpmshelp@mail.ihs.gov.

Tip: Because of the number of keys that need to be assigned, we recommend that you allocate all keys to all users and then manually deallocate the keys that are inappropriate for each user.

Security Key	Descriptive Name	Provider	Nurse	Clerk	Lab	Pharmacy	Social
TABS							
BPCTAP	APPTS						
BPCTCV	COVER						
BPCTEP	EDUC PROTOCOL						
BPCTFS	FACE SHEET						
BPCTHS	HLTH SUM						
BPCTIM	IMMUNIZATIONS						
BPCTLR	LAB						
BPCTMS	MEASUREMENT						
BPCTPC	PCC OTHER						
BPCTPR	PROBLEM						
BPCTPV	POV						
BPCTRG	REG						
BPCTRX	MEDICATIONS						
BPCTSP	SPECIALS						

Security Key	Descriptive Name	Provider	Nurse	Clerk	Lab	Pharmacy	Social
BPCTTN	TELNET						
BPCTWH	WOMEN HLTH						
BPCTXR	XRAY						
CHART							
BPCPC	MASTER						
PATIENT							
BPCPATPL	PAT PICKLIST						
MAIN							
BPCMNML	MY LABS						
BPCMNMLP	MY LABS PRINT						
BPCMNMLR	MY LABS REFRSH						
BPCMNPLU	PAT LOOKUP						
BPCMNPO	PAT OPTIONS						
BPCMNTN	TELNET						
BPCMNUO	USER OPTIONS						
FACE SHEET							
BPCFSP	PRINT						
PROBLEM							
BPCPRA	ADD						
BPCPRD	DEL						
BPCPRE	EDIT						
BPCPRL	LIST						
BPCPRNA	NOTE ADD						
BPCPRNC	NOTE CHG						
BPCPRNR	NOTE REM						
BPCPRP	PRINT						
PHARMACY							
BPCRXPMP	MED PROFILE						
BPCRXPMPD	MED PR DATE						
BPCRXPMP	MED PR PRT						
BPCRXPMPR	MED PR REFRESH						
BPCRXPMD	PCC MED DATE						
BPCRXPMP	PCC MED PRINT						
BPCRXPMPR	PCC MED REFRSH						
LAB							
BPCLIL	INTERIM						
BPCLILC	INT DATE CHG						
BPCLILP	INT PRINT						
BPCLILR	INT REFRESH						
BPCLM	MICRO						
BPCLO	ORDER						
BPCLOCM	ORDER COMMS						
BPCLOLA	ACCESSION						
BPCLOLC	COLLECTION						
BPCLOLO	ORD LOCATION						
BPCLOOO	ORD OTHER ORD						
BPCLOPO	ORD PLACE ORD						
BPCLOSP	SEND PAT						
BPCLOWC	WARD COLL						
BPCLP	PRINT						

Security Key	Descriptive Name	Provider	Nurse	Clerk	Lab	Pharmacy	Social
BPCLT	TRENDS						
BPCLTE	TREND EXCEL						
BPCLTP	TREND PRINT						
MEASUREMENTS							
BPCMSA	ADD						
BPCMSE	EDIT						
BPCMSG	GRAPH						
BPCMSS	SAVE						
BPCMSTP	GRAPH PRINT						
SPECIALS							
BPCSPDA	ALLERGY						
BPCSPDS	DIABETES						
BPCSPRC	REF CARE						
BPCSPTR	TROUBLESHOOT						
BPCSPTRP	TRBSHT PRINT						
TELNET							
BPCNTNH	TN NEW HOST						
HEALTH SUMM							
BPOCHSD	DISPLAY						
BPOCHSP	PRINT						
BPOCHST	TYPE						
RADIOLOGY							
BPCXRP	PRINT						
WOMEN'S HLTH							
BPCBWD	TAB						
BPCBWP	PRINT						
APPOINTMENT							
BPCSDP	PRINT						
IMMUNIZATIONS							
BPCIMDF	DSP FORECAST						
BPCIMDH	DSP HISTORY						
PAT EDUCATION							
BPCEDD	DISPLAY						
BPCEDP	PRINT						

6.0 EDITING THE BLR MASTER CONTROL FILE

If you will be using the Patient Chart to order labs, you will need to edit the BLR master Control File. Edit the option "Accession Test Group Template" with an entry from the Accession Test Group File. This entry will be the default "pick list" when using the Patient Chart order labs option. If there is no entry in this field (Accession Test Group Template), then the user will have to choose the "pick list" when using the order entry options.

Note: The entry in this field is free text, but must match an entry in the Accession Test Group file.

```
[DEV, DEV] >D ^XUP
```

```
Setting up programmer environment
Terminal Type set to : C-VT100
```

```
Select Option Name: BLRMENU          IHS Lab Main Support Menu
```

```
LS      Link Transaction Processor Status
INQ     Inquire into the IHS LAB Transaction Log
7421    Will restart the 7421 label routine if turned off.
FLD     Search Transactions for PCC LINK DISABLE Error
RSN     Requeue by Sequence Number
RST     Requeue Transaction by Sort Template
CPT     Enter/edit IHS Lab CPT File
RES     Enter/edit IHS LAB Review Code File
FAL     Find ALL PCC Link Errors from Lab
STP     Stop/restart Lab to PCC Transaction Processor
MSTR  Enter/edit BLR MASTER CONTROL FILE
```

```
Select IHS Main Support Menu Option: MSTR  Enter/edit BLR MASTER CONTROL
FILE
```

```
Select BLR MASTER CONTROL SITE:      DEMO HOSPITAL
```

```
SITE: DEMO HOSPITAL//
```

```
LAB LOG TRANSACTION: YES//
```

```
LAB LOG TO PCC: YES//
```

```
LOG PAT DATA ONLY: YES//
```

```
DAYS TO KEEP TRANSACTIONS: 180//
```

```
GUI LAB ORDER SEND PAT: YES//
```

```
GUI LAB ORDER WARD COLLECT: YES//
```

```
GUI LAB MULTIPURPOSE ACC: YES//
```

```
ACCESSION TEST GROUP TEMPLATE: LABORATORY//
```

```
START EVENT DATE: JUN 13, 2001//
```

```
Select EVENT DATE: JUN 7,2001//
```

```
EVENT DATE: JUN 7,2001// (No Editing)
```

```
LAST TRANSACTION ASSIGNED: 5// (No Editing)
```

```
LAST TRANSACTION PROCESSED: 5//
```

7.0 POINT OF CONTACT

ITSC Support Center:

Telephone: (505) 248 - 4371 or (888) 830-7280

Fax: (505) 248 – 4199

Web: www.rpms.ihs.gov/TechSupp.asp

Email: RPMSHelp@mail.ihs.gov